

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re patent application of:

Daniel Raftery et al.

Serial No. 10/825,856

Filed April 15, 2004

MULTI-COIL NMR PROBE

WITH NONMAGNETIC DIODES

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) Before the Examiner
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) Brij B. Shrivastav
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) Group Art Unit 2859
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DECLARATION UNDER RULE 132

We, the undersigned Daniel Raftery, Robert E. Santini and Megan A. Macnaughtan, do hereby declare:

We are the applicants in the above-identified patent application and the inventors of the subject matter claimed therein.

We have reviewed the pending claims and the article by Megan Macnaughtan et al. cited by the Examiner: "NMR Difference Probe: A Dual-Coil Probe for NMR Difference Spectroscopy," *Journal of Magnetic Resonance*, 156, 97-103 (2002). We understand that the Examiner has stated that the cited Macnaughtan et al. article teaches the subject matter of rejected claims 1 and 8, and, as regards claims 2-7, 9 and 10, further teaches different resonant circuits with diode switching control, and nonmagnetic gold and aluminum wires connected to gold pad.

Based upon our review of the rejected claims and the cited Macnaughtan et al. article, it is our belief that, to the extent that the cited article describes the claimed subject matter, it describes our invention. Ting Hou and Ernesto MacNamara were co-authors of the cited article, but they worked under our direction and were not inventors of the claimed subject matter.

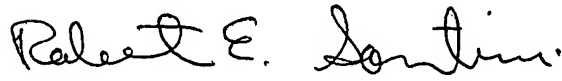
We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are

punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and may jeopardize the validity of the application or any patent issuing thereon.

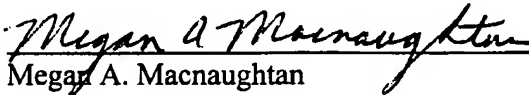
Date 3-3-06


Daniel Raftery

Date 03/03/06


Robert E. Santini

Date 3-1-06


Megan A. Macnaughtan